



Office Action Response.

I am requesting an extension of the 3 month expedited time period. I had to do extensive research to fully address the issues of the office action, especially section 9. To complicate matters my father was very ill during much of the time and passed away Sept. 6, 2006. I had to spend a considerable amount of time tending him and I also have a full time Job. I am an individual inventor and not a lawyer so I needed the extra time. I will include with this a copy of my father's death certificate so you will know that my reasons are sincere.

Section 1. New copy of application is being provided with corrections.

Section 2. New copy of application is being provided with corrections. Including flow diagrams.

Section 8. The invention is a process for provisioning routes in an information network that embeds the route requirements in the route construction method of that process. This is a unique and improved solution. This in turn is embedded in a process to provision a route that uses the minimum amount of network resources for the route. 35 USC 101 says that a process is statutory subject matter. I have added verbiage to the patent that describes the field of invention. I have also added flow diagrams that describe the process. I also believe that the precedent has already been established in this area. I have been issued a patent for a method of determining routes before. A number of other patents exist for similar processes. This invention meets 2 of the 4 measures of 35 USC 101. It is a process and a useful improvement of a process that has already been patented.

Section 9 Response in general. Zadakian (USP 6631134) describes how to select a path from a selection of paths so that the resulting path meets a plurality of routing characteristics. Paths from lower levels act as links at higher levels. Zadakian does not define explicitly how a route is constructed nor does any of his claims relate to how a path is constructed. He states that a "QOS Shortest Path First path selection method is invoked". That method in the literature first builds a set of paths based solely on connectivity. Then it examines each of those paths to filter out the set that doesn't meet the defined QOS.

This invention uses an entirely different method. The path construction algorithm examines all the routing characteristics during path construction and only provides paths for the cache that meet ALL of the routing characteristics INCLUDING bandwidth. There is no need for examining paths from the cache entry to see if they have the required bandwidth. All paths in the cache will have the requested bandwidth or they wouldn't be in the cache.

In "Summary of Invention" paragraph 3; The last 2 sentences Zadakian says "The steps of selecting a physical path and determining the available bandwidth for the physical path are repeated until either an acceptable physical path is found, or every one of the plurality